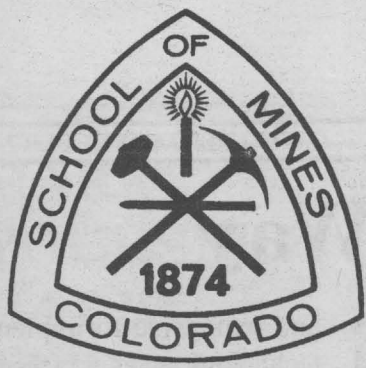




The Oredigger

The World's Foremost School of Mineral Engineering

Vol. 80

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Issue 4



Photo Courtesy Society of Women Engineers

Fun in the Sun: Fifth grade girls from High Plains Elementary School take part in the Society of Women Engineers outreach program on campus Friday, September 24.

Princeton Review Released: How Mines Stacks up

Erin Kock

It's official (according to the Princeton Review): CSM students are unhappy.

The annual Princeton review was released in August, ranking the best 311 colleges around the nation. The rankings were of the top 20 (or bottom 20) colleges in 60 categories including academics, financial aid, administration, dorms, food, and aspects of campus culture such as political leanings, social life, race/class interaction, and more.

Colorado School of Mines students were considered the 16th most miserable students of the colleges ranked. State University of New York at Stony Brook has the unhappiest students, followed by the students at New Jersey Institute of Technology.

The review found students at DePaul University and Wabash College to be the happiest in the nation.

Not only does the review indicate that School of Mines students are unhappy, students are also considered to be politically inactive with CSM students ranked twelfth of those unaware of politics. The students at the U.S. Naval Academy, U.S. Coast Guard Academy and the U.S. Air Force Academy were considered the most politically unalert students. The most politically active campus is Wesleyan University.

In classes, our students are encouraged to participate in class discussions (ranked tenth) but seldom have class discussion (ranked nineteenth in class discussions rate). The students most encouraged to participate in class discussion attend Sarah Lawrence College, while the college with the fewest class discussions is Clarkson University.

To determine which colleges and universities were to be included in Best Colleges, the Princeton Review built the list through consultation with a variety of expert sources, including fifty independent educational consultants. The list is comprised of less than the top 10 percent of the colleges in the country.

To see the Princeton Review on-line go to <http://www.review.com>

Fall Semester Marred by Two Student Suicides

Faisal G. Hashem & Lianne Hill

Two suicides occurred at CSM recently and no one knows why. For both of these tragedies, everyone we spoke with would only champion his character.

Seyed Abdolreza Mirbah (Reza)

Born: Jan. 31, 1969
Died: Sept. 18, 1999
Gunshot to his head

Andrew Carlson (Andy)

Born: March 8th 1973
Died: August 25th 1999
Drank antifreeze

Reza Mirbah

Mirbah came to CSM two years ago as a graduate student in our mining engineering program.

His parents live in Tehran, Iran, and he has a distant cousin in Boulder and some family in California, London, and Paris.

His interests were in computer applications in relation to mining. In late spring of '98, he was initiated into the prestigious and demanding Tao Beta Pi, the national engineering honors society. After spending

the fall of '98 in Arizona, he returned to CSM in this spring.

Before last summer, Mirbah worked with computers for the National Parks Service. Over the summer, he worked for Inflow Inc., an Internet security, equipment monitoring, and data management center. He was also an avid photographer specializing in landscape and environmental pictures. "His pictures were of a very high quality," says his friend Christoph Goss.

"I last saw Reza the week before his death and he seemed normal," says Goss.

"He had the usual school pressures. But he was somewhat worried that his workload was interfering with his schoolwork. He was a perfectionist. The week before his death he was debating whether to purchase a new lens or a new camera body. It is particularly interesting to me now that he was then still looking toward the future."

Mirbah stayed in touch with his family in Iran, was extremely polite to people, and was quite talkative about his favorite topic, Persian history. "We appreciated his

friendship and he will be missed," adds Goss.

Reza's last presentation about his studies was on the use of GPS (global positioning systems) in mining equipment. "It was very thorough and very well done—an excellent presentation," says Goss.

According to Leslie Jo Olsen of the international student office "[Reza] left a note, but had only burial instructions." He was laid to rest at Hampton Memorial Gardens.

Andy Carlson

Carlson spent much of his time with his family. His parents live in Wheatridge, Colo. Brothers and cousins considered him the "big brother" type, always watching after them.

Carlson liked to "work on cars, his motorcycle, and anything mechanical," says his friend Brian Goff. "He was a good mechanic but his big love was cross country running."

Before he came to CSM, Carlson was in the Navy.

"No one saw it coming," says Goff of Carlson's suicide. He had

recently broken up with a girlfriend and, according to Goff, "was having a hard time in school, too. A nice and helpful guy who sometimes did crazy things. He often ran on the ridge of the aqua duct along Zion Mountain. He was a normal student; loose, relaxed and generally level-headed. He was a big part of the [cross-country] team. No one saw it coming at all."

sions. People want to know why."

"Students can come here for help," says Mel Kirk, a counselor at the student development center. "We're open 8 a.m.-5 p.m., Monday through Friday. If no one is here [after hours], our phone message will refer them to the Jefferson County Mental Health Center. If there is anything I can say, it's 'don't wait too long' [to seek help]."

Students,

whether international or American, are welcome to stop by the Office of Student Development and Academic Services, 1400 Maple St., to talk about the suicides or anything else. Their number is 303-273-3377.

Is Your Friend in Trouble? possible indications:

- Written or verbal statements focusing on death, despair, or finality
- Severe depression
- Giving away prized possessions
- Out of control behavior
- A drop in grades
- Behavioral or physical changes

"Suicide affects everyone down the line," says Leslie Olson. "There is nothing that hopeless... it's not so much the [neglected] responsibilities as it is the repercus-

"If you're sad, then it's time you spoke up, too," are the last words in the song "All the Pain Money Can Buy" by Fastball. Moral: nobody is immune.

Directory

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New Technology Building on Its Way

Matthew Crill

Plans for the construction of the new technology building are nearing completion according to Vice President of Business Affairs Robert Moore.

The new building will be constructed where the old county courthouse currently stands between Alderson Hall and the Hall of Justice. It has been designed to be a flexible structure that will serve multiple purposes.

The currently unnamed technology building will be a

two-story structure including a basement and an auditorium that will hold about 200 people.

Each floor will be about 12,000 square feet and will have one large classroom capable of seating about 100 students or two smaller classrooms that would hold 50 students each.

Possible uses of these rooms include Multidisciplinary Engineering Labs (MEL's) or Studio Physics.

The main purpose of this building is to suit a wide range of courses, thus it will not be

assigned to one specific department.

There will also be a coffee room on the first floor and several alcoves capable of holding six to eight people on each floor to offer more meeting places for students.

While the designs are still not completed, construction plans will begin in the near future.

The first step, which has already begun, is the demolition of the old county courthouse.

Funding for the architectural plans was made available

on July 1, 1998, and the funds for construction were acquired on July 1, 1999.

What are currently holding the project back are the architectural plans, which are taking longer than expected.

The building has been designed with the latest technology. It will be outfitted with network capabilities and rooms that can be modified to accommodate various class sizes.

Many buildings on campus, such as Berthoud Hall, were not designed with flexibility in mind and it will be difficult

and expensive to implement technology changes in them.

One technology that may be present in the new building is the inclusion of network jacks on the outside of the building to allow for portable computers to be connected.

Something else that has been looked at is an overhead machine on which a professor can write his notes during class and print them for students.

All of these technologies are intended to benefit the students and provide for a better education.

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QUESTION OF THE WEEK: In August, The Princeton Review said, "Colorado School of Mines is a small, prestigious, and 'very difficult' engineering school where students often 'do homework seven days a week.' The 'predominantly introverted' students at CSM 'do math' for fun, or surf their idle hours away on the Internet, or dream about spending the big bonuses from the high-tech employers who are certain to hire them upon graduation." Do you agree with this review of CSM? Get online and tell us your opinion!!! Go to: http://www.mines.edu/Stu_life/pub/csmoredig and select "forum."

E-Days 2000 is Coming

E-Days is a little celebration one weekend in April where the administration gives students a day off, and the students attempt to make up a years' worth of fun in three days. The first E-Days celebration of the 21st century is guaranteed to be a unique event. Traditionally the weekend events include a concert, fireworks, dances, fraternity parties, engineering activities, fun activities, and free food. Now innovative students are needed to produce ideas for the new millenium.

One student committee plans all the activities for the weekend, from the fireworks show to the security. Now is your chance to get involved with this committee. If you thought something last year was lame or needs changing, come to the meeting and voice your concerns. If there was an activity that you particularly liked or a new one that has never happened, come and share your ideas with the group. A little bit of work done by a lot of students will make a better event than a lot of work by a few students. The first meeting will be Thursday, October 14th at 7:30 p.m. in room 234 of the student center. Refreshments will be served and there will be door prizes awarded at the meeting. Show up and make a difference for E-Days 2000.

FREE FLU SHOTS Now Available

'Tis the season, flu season, that is! Prevention is by far the best cure. Free flu shots are now available at the Student Health Center for all students who are taking 7 or more credits. Shots will be available for several weeks. Don't take a chance on missing a week of school or an important interview. Come get your shot any time from 8 - 11:30 am or from 1 - 2:30 pm.

Flu is caused by any of several strains of influenza virus.

Symptoms have a sudden onset and usually include a sore throat, severe headache, high fever, and body aching. Although cough may not be an initial symptom, it often occurs early. Fever persists from three to five days, and extreme fatigue almost always follows the fever for several more days. "Stomach flu" with vomiting and diarrhea is a different bug altogether. A runny or stuffy nose is not a sign of flu.

If started within the first 48 hours, prescription medicine may shorten the illness by about 24 hours. Begun after 48 hours it is ineffective. Treatment is supportive—rest, lots of fluids, acetaminophen or ibuprofen to reduce temperature and body aching. In dealing with flu, patience is healing. Give your body a chance to truly recover before physically stressing it, as relapses are possible.



Sailor Suit with Blue Scarf
Susan Lange-Marshall



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Professor Profile

Editor's Note: This column features professors with the intention of humanizing the people we may only know as lecturers or researchers.

Marco Leon

Dr. Eul-Soo Pang's office in Stratton Hall is a library. In it you'll find, among other things, a picture of the Mines professor with Argentine President Menem. Prof. Pang is an expert in international political economy.

In this age of globalization, engineers will not be stuck in cubicles because business is now done on a global scale. International knowledge is becoming an essential ingredient to a successful career. Prof. Pang is here to help.

Pang was born in Seoul, Korea where he grew up. At the age of 18, he came to the United States to study at Marshall University in West Virginia. After receiving bachelor of arts degrees in political science and Spanish the professor earned a master's degree in government from Ohio University and a doctorate in Latin American history from University of California at Berkeley. Pang then became a professor. "I've never worked in a real job," jokes the man who prefers the finer things in life.

In 1984, the professor, who can speak five languages, came to CSM to set up an international studies program. Two years later, Pang and his wife, Laura, became CSM professors where they have been very active in the Division of Liberal Arts & International Studies ever since. This semester Pang is teaching International Political Economy, Human Systems, and an upper level graduate course in Asian development.

With six books, more than 57 articles in print, 45 conference pa-

pers and guest lectures since 1986, 37 external positions, 19 personal fellowships and grants since 1982, 17 reports, 7 current professional affiliations, 7 visiting professorships, and more than 150 book reviews, Pang is a true scholar. He is an international political economy machine.

Dr. Pang's most current publication, *The International Political Economy of Transformation of Argentina, Brazil and Chile in the Age of Globalization*, will be published by MacMillan.



Photo by Marco Leon

Prof. Pang feels that international study is a crucial element to the engineering curriculum at CSM. He is currently developing a "4+1" program. Students will have the option of earning a bachelor's degree in science or engineering and a master's degree in international political economy in five years.

Pang will travel to Korea this month to address the International Zinc Association on the risk of emerging markets. In November, Pang will be off to Brazil to get firsthand knowledge of its situation. In December, the professor will be in Malaysia for a week to set up an international political economy program at the national university. Pang will then continue this project in the summer of 2000.

Pang and his wife live in Evergreen. They are currently building a new house and spending their time in Frisco. Although he lives in Summit County, the skiing mecca of the Rockies, Pang really enjoys swimming. He swims for at least an hour every day.

An international side to the Mines education can expand one's horizon. Dr. Pang is here to do just that.

David Bonfoey

Many have argued that closing the street between Kafadar Commons and Guggenheim would have advantages including improving the quality of the campus by making it larger, more accessible to students, and safer. Not only would Mines gain a more traditional campus feeling, but the danger of pedestrian and automobile traffic meeting would be reduced. Some local residents, however, don't like the plan.

Mines first tried to close Illinois Street between 14th and 16th streets to automobile traffic more than four years ago. The idea was to incorporate it into the campus. Local residents, however, turned the idea down. Robert Moore, vice president of business affairs at CSM, says he believes that residents may still be upset over the inconvenience of the road closure on 15th Street between Meyer and Stratton Halls several years ago. The remnants of the road still exist in the dual sidewalks that run through the middle of Kafadar Commons.

Two years after the first proposal, Mines held a community meeting with the local residents from the historic community. The residents again displayed dissatisfaction with the

Expanding Kafadar Commons

closure of Illinois. Their complaint was that there was no good way to get from Clear Creek to 19th Street other than Washington Street. The residents said they would not consider the plan again until new alternatives could be presented.

Research has now been done and CSM has come up with

Street via a tunnel, but that could be very expensive because the majority of sewer, water, and electrical lines run down the middle of Illinois Street.

CSM conducted traffic counts along both Maple and Illinois streets within the last several years, but is concerned that the counts are not accurate. CSM

believes the majority of the cars counted were students looking for parking places, not local residents traveling to 19th Street. The school cannot accurately determine how many people travel the entire distance with the amount of student traffic that is present on campus.

Many students would love to see the expansion of the Kafadar Commons area. Physics student Justin Gregg says, "We should have a

closed campus. Other colleges make students park on the outside and walk to the commons and class areas."

Although the school would like to see the expansion of the commons area, there are currently no plans for the expansion. For more information on the status of road closures, contact Robert Moore whose office is located on the second floor of Guggenheim.

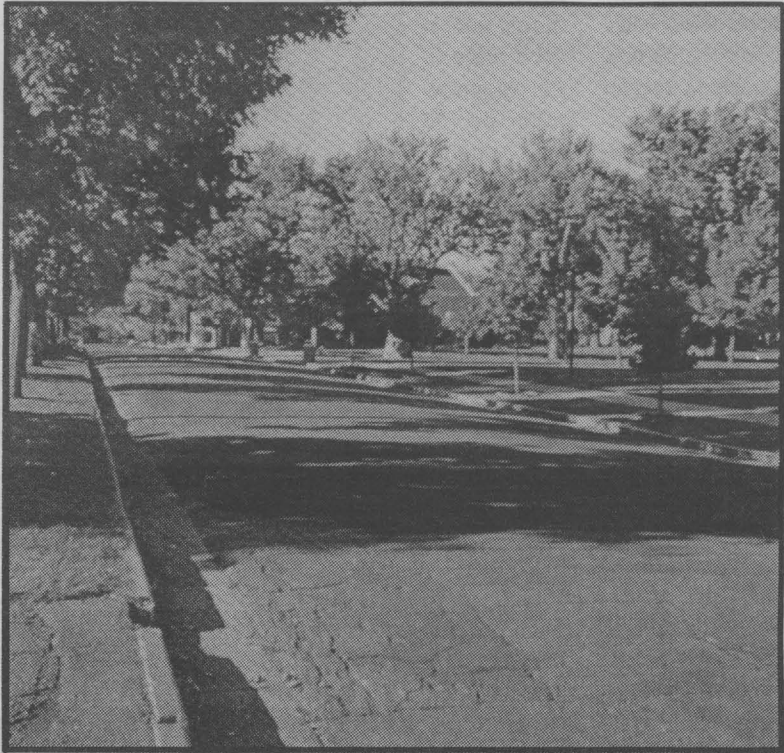


Photo by Jonathan Buczkowski

several alternatives. One is to make Maple, which runs between the student center and Guggenheim, continue to 19th Street by completing a section of road south of Weaver Towers. This would allow residents easy access to Clear Creek from 19th but would simply shift traffic to a new location. The second alternative is to have traffic diverted under the existing section of Illinois

CSM JOINS GLOBAL E³

CSM joined the Global Engineering Consortium this September. The Consortium (Global E3) is an international exchange program for engineering students from participating universities that allows them to take courses for credit in Austria, Denmark, France, Germany, Hungary, Japan, Mexico, the Republic of Korea, Singapore, Spain, Turkey and the United Kingdom. Students from participating universities in these countries

can study in the United States.

"Global E3 puts CSM in a consortium made up of many of the leading engineering schools in the world," states Dr. Michael Haviland, Executive Director of International Programs at CSM. There are 27 U.S. and 44 universities abroad in the Global E3 Consortium. Several of the CSM "sister institutions" Montanuniversitaet Leoben, Tu Bergakademie Freiberg, and ITESM, Monterrey Tec., are Consortium members. CSM is the only Colorado based Consortium member. The In-

stitute of International Education (IIE) administers the Global E3 Program.

Through the Global E3 program, CSM students will have many additional choices of institutions abroad where they can study on a tuition exchange basis. CSM students will pay their tuition at CSM

and attend universities abroad and the same is true for the students from other Consortium universities.

A list of the Global E3 Consortium universities from the United States and abroad is available through the Office of International Programs.

Students interested in studying at a Global E3 University should contact:
Dr. K. Gengenbach
Office of International Programs
109 Stratton Hall
(303) 384 2121 Phone
kgengenb@mines.edu
Or visit the Global E3 website at www.iie.org/pgms/global-e3/.



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FRESHMAN TRANSITIONS

Agata Miodonski

Most freshmen come into college not really knowing what to expect in terms of academics, social life, or dorm life. This is one of the biggest transitions that young people go through in their early lives.

For most incoming freshmen that live in the traditional dorms, this is the first time that they have lived away from their parents, the first time they have had to wear shower shoes when going to the bathroom, and the first time they have had to eat cafeteria food for almost every meal. Several freshmen were willing to comment on the transitions they have gone through, giving both positive and negative opinions on the changes in their lives over these past few weeks.

Most freshmen that live in the dorms agree that, overall, the change is not bad. "They're nice (the dorms), but sometimes the hall is too noisy," said Amy Bean, a Bradford freshman. Bean's roommate Tepper McPherson echoed her, observing, "...it is sometimes hard to study, but it is a great way to meet people."

One Thomas resident declared "I like [the dorms] because I can go to my room between classes." Angie Hutchinson, from Thomas Hall, summed up her dorm experience so far by saying, "The dorms are typical of

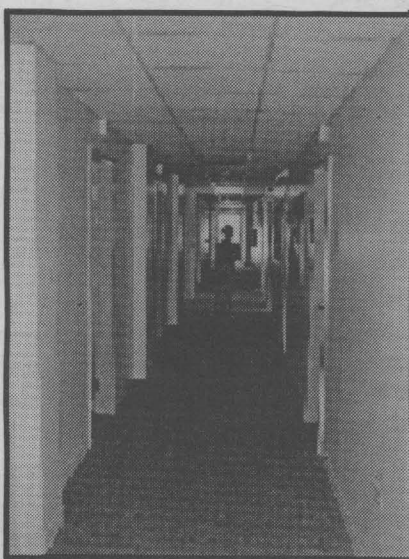
what you would expect to find at any college campus. They are alright."

Julie

O'Neal, a freshman in Bradford, noted that the dorms are "a good place to get to know other people and become involved in school activities." Sarah Coker, another Bradford resident, agreed: "It is a great way to get to know people - there is always someone to talk to or work with on homework."

Bradford resident Troy Delaplaine wanted to destroy the stereotype of the type of people that live in the basement. He was adamant in letting people know that "Bradford basement residents are not freaks! They are people too!"

Although most opinions of the dorms were positive, there were a few general complaints. Scott



A sole freshman daringly makes her way through the Randall dorms.

Photo by Jonathan Buczkowski

Hodgson, a Thomas resident, agreed that overall, the dorms are a good experience, but they are "slow in fixing things." Courtney Beard, a Morgan resident, mentioned "the bathrooms are never clean." Another Morgan resident stated that the dorms are "kind of small and too hot in the summer." Justin Klatt, from Morgan, added that they "all need new carpet."

Probably the biggest area of complaint has been the shower curtains. Those who have heard of the situation aren't very happy with it. However, there

are several freshmen who haven't even heard of the fact that girls have shower curtains whereas guys don't.

Among the uninformed, Thomas resident Jered Dean said, "I didn't know that [the girls have shower curtains], but now I want some curtains!" Most girls didn't mind, since they do have curtains. However, the general consensus, as stated by Kyle Allen Sandburg from Thomas, was that "things should be equal."

Cory Leicester, from Bradford, was impartial, saying "it makes no difference to me. I'm fine with the fact that we don't have curtains." Ian Redding, from Bradford, joked "you promote homosexuality, but not lesbianism."

Besides the dorm life, another big area of transition has been the food in the cafeteria. Most of the students were used to having at least one homemade meal per week when they lived at home. Now, almost every meal is eaten at the cafeteria. This change has probably been the toughest on freshmen, and most opinions

were not very positive.

One Thomas resident asserted he didn't like the fact "that we have to buy [a meal plan]. I would rather get my own food." A similar complaint came from Bradford resident Oliver Eagle, who said "it is extremely overpriced."

Morgan resident Courtney Beard exclaimed that the food "is always cold!" Nick Schmidt, from Bradford, kept an optimistic outlook, admitting "it's managed to keep me alive for the past month."

Tepper McPherson commented on the service more than the food, echoing many students' feelings, "I really dislike the small glasses."

The majority of freshmen don't mind the food, and the general opinion seems to be that it "could be better, could be worse," as stated by James Gross, from Bradford.

Overall, the transitions that freshmen have been going through this past month have kept them on their toes. Every new bump in the road is taken in stride, and this year's freshmen class is determined to make it through life at Mines.

Has Robin Williams gone soft?

Brett Maughan

Jakob the Liar, starring Robin Williams, opened two weekends ago to mixed reviews. Movie critics seem to have a problem with the "new" Williams. Apparently, the "new" Robin Williams is an actor who chooses to forgo the hyperactively random, laugh-a-second, stand-up comedian who began with the television classic *"Mork and Mindy,"* and reached the big screen in movies like *Good Morning Vietnam* and *Aladdin*. Instead, he has chosen of late to go the dramatic, tear-jerker, warm-fuzzy route, with such movies as *What Dreams May Come*, *Good Will Hunting* (which garnered him his first Academy Award), *Patch Adams*, and now, *Jakob the Liar*. The critics have decided that Williams has squandered his incredible talent by playing dramatic roles; by making an audience cry, then making them feel good about life and themselves. So why is it such an artistic sin to make people feel good?

In his most recent effort, Robin Williams plays Jakob Heym, a widowed café owner living in a Jewish ghetto during the World War II Nazi occupation of Poland. He is just an ordinary Jewish citizen, a "nobody," which is the safest thing to be with Nazi troops breathing down his neck every day. By chance, he hears a forbidden radio report of German losses to the approaching

Russian army. When he is forced to reveal this information to his friend Mischa, a hot-headed young boxer whom Jakob managed before the occupation, the news spreads like wildfire. Overnight, Jakob becomes a celebrity, a "somebody." He allows everyone to believe he has an illegal radio hidden away and begins fabricating stories of Allied victories over the German forces. However, when he tries to walk away from it all, he comes to understand, with the help of his friend Kirschbaum, a renowned

Jewish cardiologist, the power his lies, and the hope they bring, actually have over life and death in the ghetto. Before he knows it, Jakob is leading a resistance and in danger for his own life.

Based on a novel by a Holocaust survivor, and directed by a Holocaust survivor, Jakob has credibility. Also, the cast is phenomenal, led by Robin Williams and including Armin Mueller-Stahl as Kirschbaum. Live Schreiber as Mischa, and Alan Arkin as the father of the girl to whom Mischa proposes. This is not a movie I would recommend seeing after a long test. Jakob requires thought. It is a well-crafted study of human nature, the strength of the human spirit, and the power of hope in desperate times. I would definitely encourage the average Mines students seeking a little more non-scientific culture in their lives to make an effort to see *Jakob the Liar*.



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Oredigger of the Week

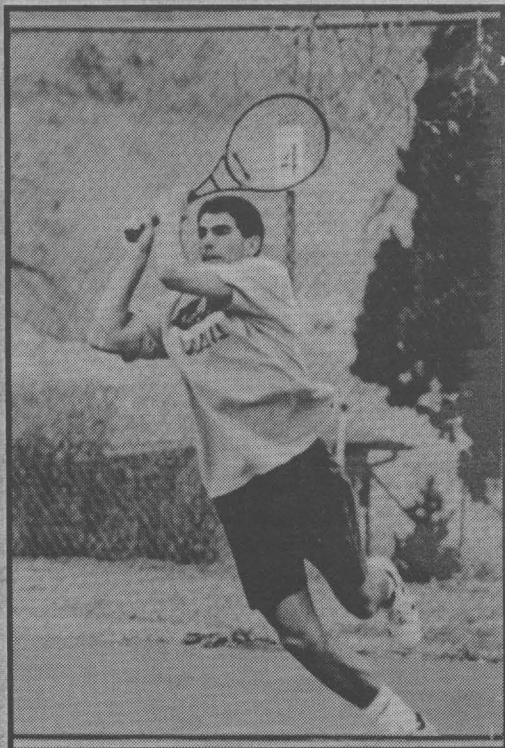
Geno Fallico

Senior, Tennis
Arvada, CO
Arvada West High School

Fallico won the Intercollegiate Tennis Association's (ITA) Midwest Region Men's Singles Championship over the weekend of October 1st - 3rd at the ITA Regional competition in Greeley (University of Northern Colorado host).

Entering the tournament as the #4 seed, Fallico defeated his Abilene Christian University opponent (seeded #2) 2-6, 6-2 and 6-2 in Sunday's finals.

With the win, Fallico advances as the Midwest Region's representative at the Rolex Men's Tennis National Championships on October 20th-25th in Memphis, Tennessee. At Nationals, Fallico will compete against the seven other regional champions.



Mines Soccer On A Roll

By Reece Bollinger

From September 24th-26th, the men's soccer team competed in the West Texas A&M Men's Soccer Tournament in Canyon, Texas. At the tournament, the men lost their opening game on Friday, 1-0 to St. Edwards University. However, the Diggers rebounded with a big win over Incarnate Word on Sunday, bringing home a 1-0 victory.

In Friday's game, Head Coach Frank Kohlenstein's team played well, but couldn't overcome both a yellow and a red card as they fell to (2-7-0) overall. On Sunday, junior Marc Miller netted his sixth goal of the season in the 78th minute - a goal that proved to be all CSM would need. Senior goalkeeper Zan Svendsen earned his first shutout of 1999 and allowed only one goal

in 180 minutes during the tournament. For his performances last week, Svendsen (fifth in the RMAC with a 1.93 goals allowed average) earned "honorable mention" recognition from the RMAC in last week's conference soccer report.

On Wednesday September 29th, Svendsen another shutout as the Orediggers beat Colorado Christian University 3-0 in Golden at Brook's Field. In the shutout, Miller scored his seventh goal of the year, sophomore Nico D'Alessandro notched his second goal and sophomore Victor Chieduko found the back of the net for the first time in his Mines career. Freshman James Trask was credited with his first two assists of the season on Miller and D'Alessandro's goals.

On Sunday October 3rd, Mines played against a tough Southern Colorado (6-3-1 overall, 3-1-0 RMAC) team and lost 3-2 in overtime. After a USC goal in the 71st minute, CSM responded with two goals of its own (Miller, Trask) in the next 14 minutes to take a 2-1 lead. Unfortunately, Southern tied the game in the 87th minute and forced overtime. USC's game-winner came just 1:21 into the extra period.

After an October 6th game at Colorado Christian University, the team (4-8-0 overall, 1-6-0 RMAC) will travel to Fort Lewis College on October 11th. The final home game of the 1999 season will be on October 29th when the men host CU-Colorado Springs at 7:00 pm.

Cross Country Report

The men and women competed in the Rocky Mountain Shootout last Saturday at the University of Colorado in Boulder. As a team, Head Coach Oscar Boes men finished sixth (out of 12) while the women's team placed seventh (out of 10).

Geoff Streit paced the men with his 26th place finish (27:05) while Michelle Roberts led the CSM women, finishing 29th.

The teams will be at the University of Northern Colorado this Saturday, October 9th.

Oredigger Golf

The Oredigger golf squad was at the District VII Qualifier (#2) over the weekend of October 2nd-3rd in Colorado Springs. At the Qualifier, Mines finished 16th as a team.

Sophomore Marty Jertson was CSM's top finisher, tying for 66th place.

The Mines Athletics Website:

www.mines.edu/Academic/athletics

For scores, schedules, and all Oredigger related information

Football Update

By Judy Toel

On Saturday, Oct. 2 at Brooks Field, the Mines football team dropped their third straight RMAC contest, falling to the Fort Lewis Skyhawks, 33-0.

Special teams player, Chris White, continued to perform well on the field. He returned two kickoffs for a total of 78 yards. White is currently ranked fifth in the RMAC with a kickoff return average of 20.7 yards. New defensive back, Justin Murray also had good game making a total of 15 tackles against Fort Lewis, 7 of which were individual efforts.

Other defensive standouts on

the team are Oliver Ramirez and Matt MacRostie. Matt is ranked sixth in the conference with 37 total tackles and Oliver is ranked 7th with 36 total tackles.

Unfortunately, the senior place-kicker Scott Juengst, injured the quadriceps muscle in his right (kicking) leg and will not play this Saturday at New Mexico Highlands University. With backup kickers Josh Hudson and Ryan Countryman considered doubtful for the game, freshman men's soccer player Craig Wiltshire (who tried out for the position Monday 10/4) may get the opportunity to handle the place-kicking duties for CSM.

Lady Oredigger Volleyball

The Lady Orediggers suffered a pair of tough losses last weekend at the hands of Western State and Mesa State.

On Friday, Western hit .241 from the net while Mines finished at only .121. In the loss, Laurie Alzheimer led the Lady Diggers (3-16, 1-7 RMAC) with 11 kills.

Saturday night's match began with Mesa winning game one and Mines winning game two.

However, Mesa responded with 15-6 and 15-9 wins to decide the matter in four. Alzheimer once again led the CSM women with 17 kills as she amassed a .246 hitting % against the Mavericks.

Head Coach Michele Harris' club will head south this Friday and Saturday, traveling to Southern Colorado on the 8th and CU-Colorado Springs on the 9th.

Tennis Has Good Show at Regionals

Geno Fallico, a senior out of Arvada West High School, won the Intercollegiate Tennis Association's Midwest Region Men's Singles Championship over the weekend of October 1st - 3rd at the ITA Regionals at Greeley (University of Northern Colorado host).

Entering the tournament as the #4 seed, Fallico defeated his Abilene Christian University opponent (seeded #2) 2-6, 6-2 and 6-2 in Sunday's finals.

With the win, Fallico advances as the Mid-west Region's representative at the Rolex Men's Tennis National Championships on October 20th-25th in Memphis, Tennessee. At Nationals, Fallico will compete against the seven other regional champions.

Fallico, who was named

Mines' tennis "mostvaluable player" for all three of his previous seasons, is also a third-year captain.

Freshman Kevin Yu and senior Brad Howe also had brilliant performances at the ITA Regionals. Yu defeated Nebraska-Kearney's Johannes Hartman to advance to the Quarterfinals (top eight) while Howe beat his West Texas A&M opponent to advance into the top 16.

The team will return to Greeley on Saturday, October 9th to face UNC in a dual match at 11:00 am. The following Saturday (October 16th) has the team playing two matches, with the first at 8:00 am at CU-Colorado Springs. A 2:00 pm dual match at Southern Colorado will follow later that afternoon.

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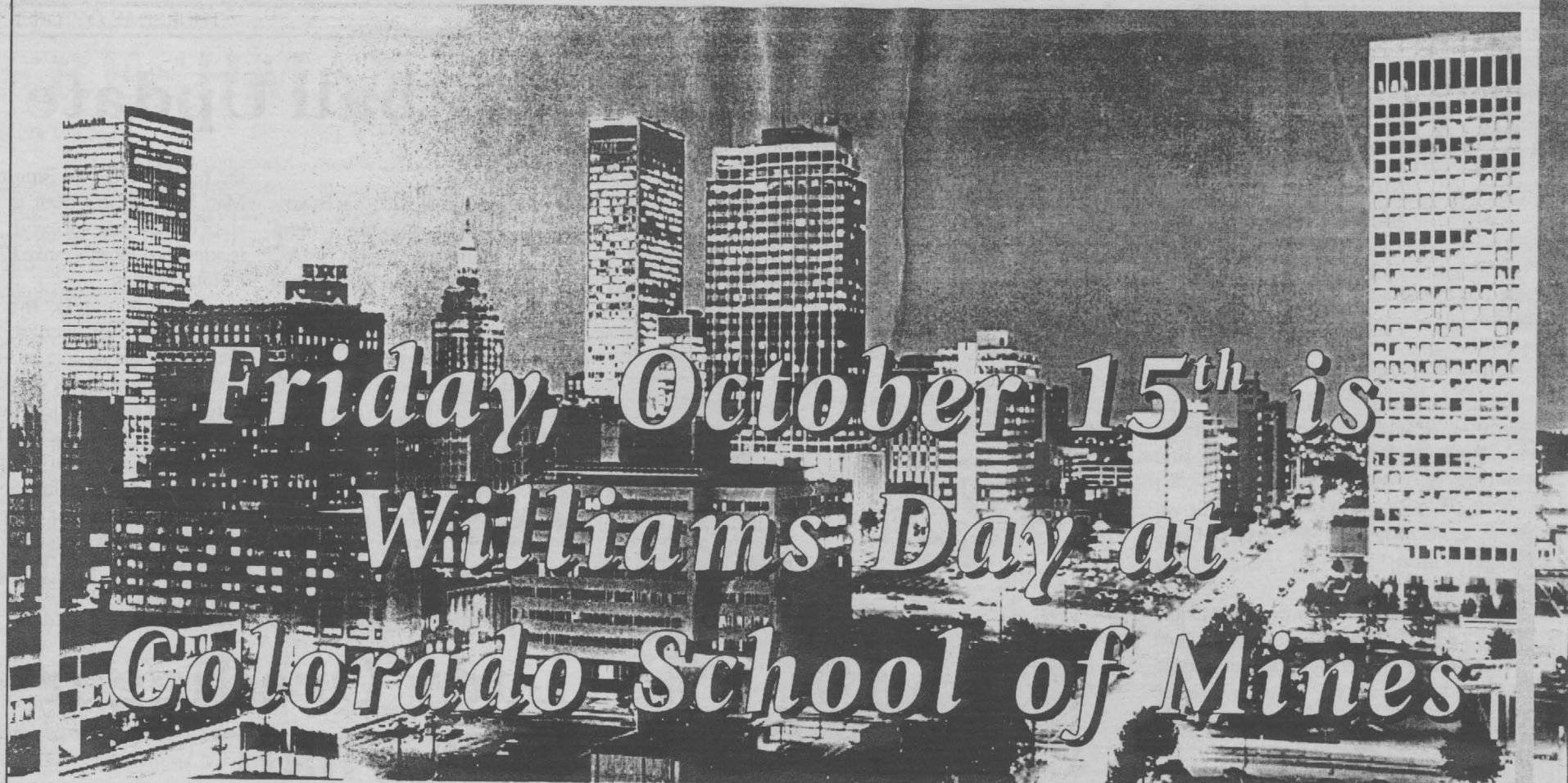
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Friday, October 15th is Williams Day at Colorado School of Mines

Join us for breakfast and giveaways in Ballroom C of the Student Union from 8-10

Come back by for lunch and more giveaways at 12pm and hear Colorado School of Mines alumnus, Howard Janzen, President and CEO of Williams Communications speak on the future of communications.

Improve your interviewing skills. Any major, any year, sign up now in the Career Center for mock interviews conducted from 2-4pm. Schedules are limited so act quickly.

Williams is looking for talented, dedicated and creative employees to join us in our quest to be among corporate America's top performers. Building on a foundation of impressive growth and success, we are well-positioned to meet this aggressive goal.

With headquarters in Tulsa, Oklahoma, we are a multi-billion-dollar corporation with operations in 50 states and international locations. Our companies consist of the nation's largest-volume system of interstate natural gas pipelines; business units offering a complete array of traditional and leading-edge energy solutions; and single-source providers of national business communications systems and international satellite and fiber-optic video services.

We offer competitive salaries and benefits, and the prestige of working for a company that plays a key role in shaping the future of the energy and communications industries.

For more information about our company or job opportunities, visit our Internet site at www.williams.com. All Students Are Welcome To Participate!



MAKE YOURSELF HAPPY ALREADY

Here we are at our prestigious school, learning life's lessons hand in hand with skills that will someday make us engineers, CEO's blah, blah, blah, blah... When we entered college, the main thing we were thinking about was having fun right? Where are the girls, where are the boys, where are the parties? There were the now consuming questions of college. Then the first round of tests came, the first EPICS projects, dorm food got even worse and we found out its hard to hold on to the green stuff. Boo hoo, we learned about real life at CSM.

You might have heard that some weighty college review board has polled people about weather or not they are happy at college. Mines is supposedly the number one school with the most unhappy students.

That's just wonderful (We're also famed to be in the top five of most alcohol consumed per capita - even better). You know, I was wondering, how exactly do they figure out how 'unhappy' student are? There isn't any scale for how unhappy people are. One thing is for sure, if you went into the Computing Center at 11pm on a Wednesday or Thursday evening and asked 'Sir, Mam are you happy here at CSM?' you probably won't get the most positive results.

Yet, even if they did ask a good representation of the school population, I think we all sometimes confuse stress with being unhappy. Yeah, we all get a little stressed out, except for those who are in the 'easy' majors of course. This school is supposed to be hard, challenging and yes, a little stressful. If you can't handle it, why the hell don't you leave the school? I don't get the people who stay here even though they hate it. I guess maybe I am one of those freaks who likes it here. I have lots of fun, I have the whole time I have been here and trust me it's been a few years. The point is, if you hate it here, there are plenty of other colleges around to transfer to, they would love to have you.

Now for those of you who are 'unhappy', lets chat. Unhappiness is a big problem here, I understand. The school is pretty stiff about riots and big raves. We have to compromise because we live SO far away from the rest of civilization. When we do get away from the dorky town of Golden, people just stare as if you have a huge MINES sticker on your forehead. Non-Mines people are so cruel. They don't want to listen about your last test and how you prof sucks ass. They don't care about the Heisenburg uncertainty principal or where some stupid tree fell or not. They especially don't care about the cool new term you learned in fluids last week. Other people just don't find you interesting unless you're drunk off you ass right? Listen, I know. People are just so cruel out there in the real world.

One way to cure 'unhappiness' and maybe 'un-hippiness', as well, is to get your-

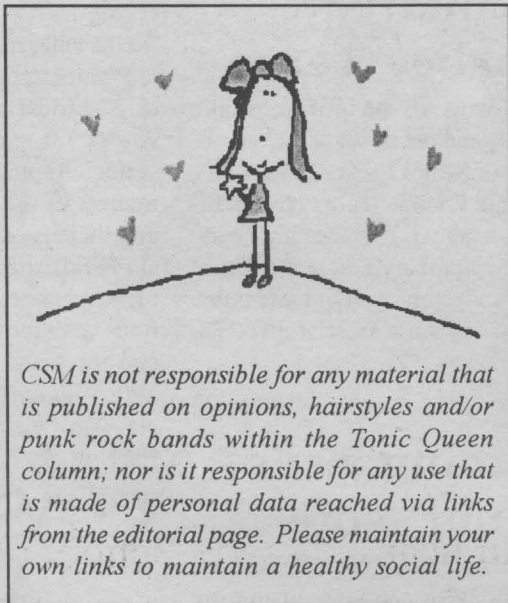
self a pet and teach it to do something. Right, you froggies are saying, I live in the dorms; we don't get to keep pets. Aha Ha, but you can as long as they're small. Here are a few suggestions: you can get a gold fish and teach it how to blow bubbles when you come into to the room or kiss your finger before you feed it. It's been done by many stupider people than you. Another alternative, catch a cricket and keep it in one of the mugs or plastic cups you got at career day. You can feed it the crumbs from the bottom of your Doritos bag. This pet has a bonus; it helps you stay awake and study later into the night.

If this doesn't work, please just try once to GET OUT OF TWON! There's a bus stop right in front of the Senior Center on Wash-

ington. Use it! Just try and pretend for one day to be one of the 'others' and fit into Denver society. Try for one weekend to not talk about school to anyone else. Go to a museum that doesn't have rocks, maps or technical content. Go to the Denver Public Library and check out a book about what there is to do in Colorado. Get thee to the mountains! Dear God, just get away from campus for four or five hours!

If this still leaves you unhappy, you have a problem, you frowned too much as a child and it did stick, or you really don't like life here at CSM (refer back to the 3rd paragraph). Sorry, I am a student too, and I hate to disappoint you but I really don't know everything. So go buy yourself some ice cream and think about what makes you happy. If you are great, if you're not, quit complaining and make yourself happy already!

TONIC QUEEN



CSM is not responsible for any material that is published on opinions, hairstyles and/or punk rock bands within the Tonic Queen column; nor is it responsible for any use that is made of personal data reached via links from the editorial page. Please maintain your own links to maintain a healthy social life.

THE BEST ENGINEERS ARE ARTISTS

My name is David Gustad, and I am a junior here at the Colorado School of Mines. I am currently involved in the band, jazz band, concert choir, chamber choir, and mines little theatre.

I am responding to the article in the Oredigger titled, "Art Classes at Mines?" I believe this is a much-needed movement, and would give the engineering mind not only a chance to relax, enjoy their educational experience more, and be creative, but also to add a new dimension in which to think about the world that they will impact as an engineer.

I believe engineers who have taken these classes would have a stronger intuition, which is necessary in knowing how to begin to solve even the most simple and elementary engineering problems.

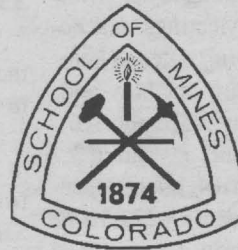
An engineer with a flair of creativity would be in demand in the job market due to their inventive, efficient, and illuminating way of approaching their profession. They would also have better communication skills, which is a valuable asset among engineers.

These are just a few of the benefits and reasons I see that justify adding the art classes to the curriculum at the Colorado School of Mines.

David Gustad

The Oredigger

The World's Foremost School of Mineral Engineering



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Miner Notes

APO

APO meets in Coolbaugh 209 on Tuesdays at 6:15 PM. For more information, contact Ian Nickerson at inickers@mines.edu

Bridge Club

If you would like to play cards and want something more interesting than hearts or spades, why not try bridge? The CSM Bridge Club meets every Tuesday at 7 PM in the Coolbaugh atrium. Player of all skill levels are welcome. Don't know how to play? We gladly offer lessons for new players.

Campus Crusade for Christ

All are welcome to join us, Thursday 7:07 PM at First Baptist Church in Golden located on the corner of 19th and Washington. Afterwards, we will be going to the Golden Grind. For more information contact mstanber@mines.edu. Campus Crusade will probably be meeting in the I-Club by next month.

Catholic Newman Group

Anyone is welcome! A discussion group for contemporary issues. Every Tuesday night at 8:30 pm, 2nd floor of the Green Center in the Ted Adams Room. Contact Matt at 303-271-0654 or mlengeri@mines.edu for more information.

Circle K

Come find out about the world's largest student run service organization. Meetings are held Tuesdays, 6 PM at the Student Center in room 236. For more information contact clapok@mines.edu

CSM Concert Choir

The CSM Choir is open to

everyone!! Come sing jazz, classical, and contemporary pieces with us every Thursday from 4-6 pm in CO 209. Questions call Matt at 303-271-0654 or email mlengeri@mines.edu.

E-Days

E-Days 2000 is coming. As your organization begins to plan its new year, start planning to help with E-Days 2000!!! Meetings will be held on the following dates to help organizations figure out how and what they can do! November 16, January 11, February 8, March 7, March 28, and April 4. Questions? Contact Jessica Jordet 303-273-3908 or jjordet@mines.edu

FCA

The Fellowship of Christian Athletes meets Wednesdays at 7:30 PM in the Projection Room on the second floor of Volk Gymnasium. All are welcome: Christians, athletes, both, or neither. For more information email fbuckner@mines.edu.

FCC

Fellowship of Christian Cowboys (and girls), the 1996-97 New Club of the Year, meets weekly on Thursday at 6 information, email derjacks@mines.edu or visit the website. http://www.mines.edu/Stu_life/organ/fcc.

Homecoming Meeting

Come Join in the fun and help prepare for Homecoming. Meetings held every tuesday at 5:30 in the student center ballrooms

Karate Club

CSM Karate Club has a new schedule! Monday and Wednesday from 6:30-8:00 PM in the Student Center Ballrooms.

Karate is a tremendous way to stay in great physical shape, tune mental concentration skills and gain confidence about personal security. Spectators and new students are welcome anytime. For more information call Amir at 303-216-2183 or email achaghaj@mines.edu.

Kayak Club

Kayak Club holds pool sessions every Monday from 7:30-9:30 PM. Everyone is welcome from beginners to advanced. For additional information, contact Jason at (303) 273-0507 or email jlegore@mines.edu.

Kendo Club

The CSM Kendo Club will meet Wednesday evenings, 7-9pm, in the Student Center ballrooms.

Kendo is the ancient art of Japanese fencing that evolved from the life and practice the the Samurai warrior. New students and spectators are welcome anytime. For more information call Sensei King at 303-795-9040 or email fourrex@aol.com.

Lacrosse Team

For everyone interested in playing competitive lacrosse, sign-ups for the CSM Lacrosse Team will be held at the CSM Lacrosse booth at Celebration of Mines on September 3.

All skill levels welcome. For more information check out the Lacrosse web-site on the CSM home page under club sports.

SCA

Fighter Practice: Tuesdays 7-9 PM in the Field House. Questions? Contact David at (303) 215-6243 or dclement@mines.edu.

Ski Team

Drylands practices are Monday-Thursday at 5 pm. Meet at the rock on Kafadar Commons. Look for our Ski Movie Night and Equipment Raffle later this month.

Sober Drivers

Need a ride home on Friday or Saturday night between 9 PM and 3 AM? Call Kappa Sigma Sober Driver Program at (303) 279-9951. You must be within 15 minutes of campus.

UFO

The Ultimate Frisbee Organization is holding practices in Kafadar commons every Tuesday and Wednesday at 4-5:30 PM. All are welcome to come practice with us for competitive play against other schools. Also, official UFO CSM frisbees are available for \$8. For more information contact Steve at (303) 271-9972 or sgrigel@mines.edu.



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Women's Ultimate Frisbee Team

Want to have fun, make friends, and get in shape? Come be a part of Mines first ever Women's Ultimate Frisbee Team. No experience is required. First meeting Thursday, September 9, at 5:30 pm at Kafadar Commons. For more information call Julie West at 303-278-7431.

Placing a Miner Note

The easiest way for the student body to see your upcoming meeting or event is to place a Miner Note.

Please submit all Miner Notes by email or hard copy the Friday before publication. There is no charge for the service.

Notice:

The following Organizations run the risk of being placed on probation. Please come by Student Activities Office and fill out the registration form as soon as possible to avoid being placed on probation.

Alpha Phi Omega
American Association of Drilling Engineers
American Chemical Society
ASM Int'l The Minerals, Metals & Material Society
Astronomy Club
CSM Newman Group
Ice Hockey Club
Indonesian Student Association
International Student Organization
Kappa Mu Epsilon
Lacrosse Club
Math Club
Nontraditional Students
Shooting Club
Society of Automotive Engineers
Women's Rugby Football Club

Scholarship

NBPA (National Beverage Packagers Association) Scholarship for the Fall semester. Qualifications are Junior/Senior Level Mechanical or Electrical Engineering Majors with a 3.0 grade point average or better. Applicants should have an interest in the packaging industry, and there is opportunity for internships/full time employment with member company's. For applications, see Jane Cowden in the financial aid office. Deadline is October 13th, turn applications in at Financial Aid Office c/o Jane Cowden. Each scholarship is \$1,000.

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Please submit all classified adds the Friday before publication. Cost \$3.00 for 25 words. Multiple week notices are available. Space is on a first-come first-served basis.

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Friday Afternoon Club

October 29	Scott Faulconbridge
November 5	Mike Siegel
November 19	Michael Loftus
December 3	Donald Barnhart
December 9	Owen Smith